

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG061319\  
 Data File : BG041240.D  
 Acq On : 14 Jun 2019 3:46  
 Operator : HP/JU  
 Sample : K3333-06  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CONCRETE-6

Quant Time: Jun 14 04:56:38 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Jun 09 23:08:34 2019  
 Response via : Initial Calibration

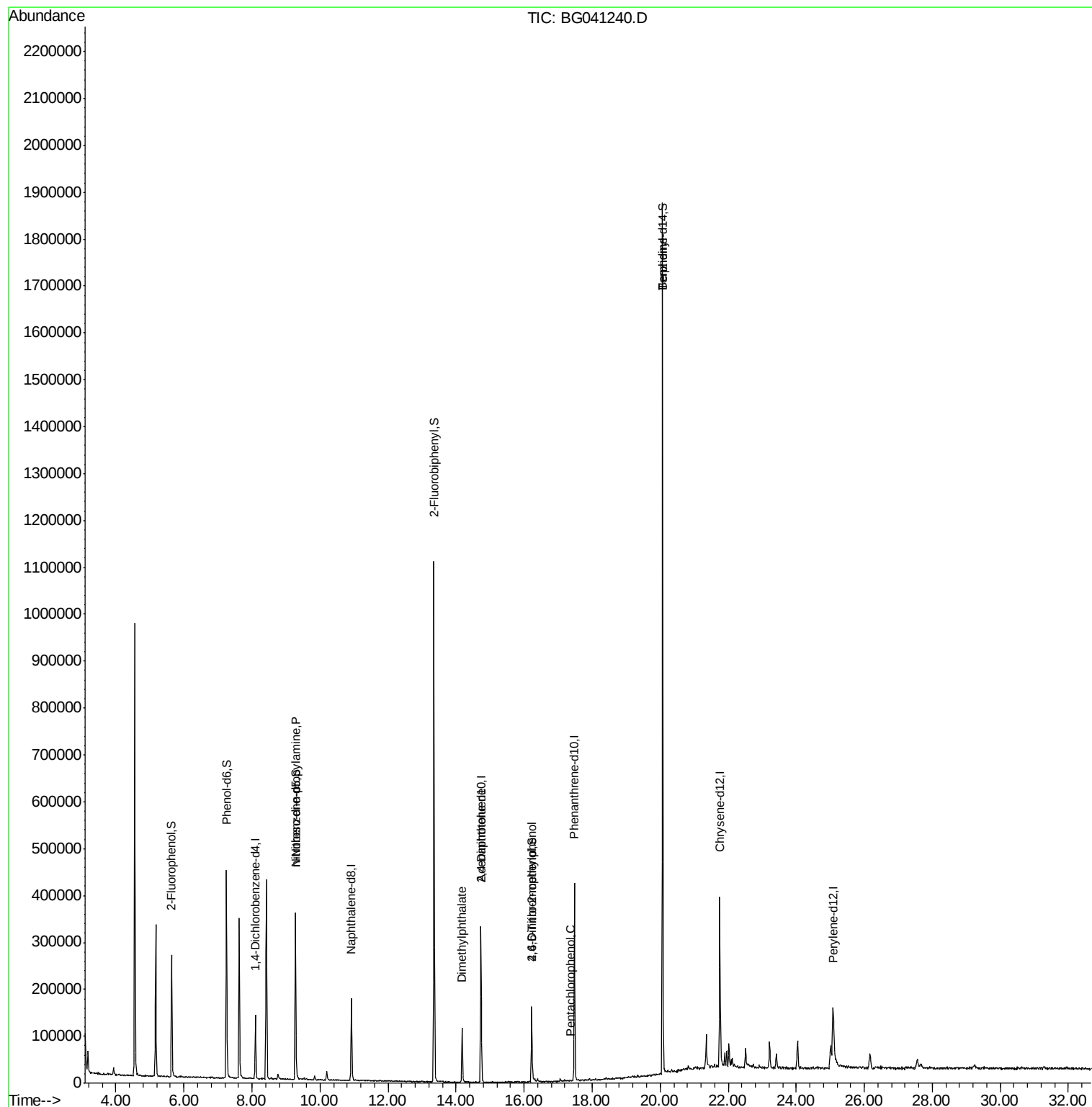
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.10  | 152  | 36794    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.92 | 136  | 151688   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.73 | 164  | 113874   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.48 | 188  | 275743   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.75 | 240  | 253625   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 25.08 | 264  | 209768   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.64  | 112  | 103754   | 50.85  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.25  | 99   | 242626   | 76.99  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.28  | 82   | 230238   | 67.38  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.23 | 330  | 37414    | 22.13  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.35 | 172  | 565044   | 71.46  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.07 | 244  | 941938   | 78.82  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.28  | 70   | 32442    | 13.378 | ng    | # 71     |
| 50) Dimethylphthalate          | 14.18 | 163  | 82995    | 8.610  | ng    | # 97     |
| 57) 2,4-Dinitrotoluene         | 14.73 | 165  | 13862    | 4.722  | ng    | # 21     |
| 65) 4,6-Dinitro-2-methylphenol | 16.23 | 198  | 64       | 8.625  | ng    | # 53     |
| 70) Pentachlorophenol          | 17.35 | 266  | 66       | 4.285  | ng    | # 18     |
| 77) Benzidine                  | 20.07 | 184  | 15893    | 2.627  | ng    | # 91     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
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CONCRETE-6

Quant Time: Jun 14 04:56:38 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG052919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Jun 09 23:08:34 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.10 min Scan# 853

Delta R.T. -0.01 min

Lab File: BG041240.D

Acq: 14 Jun 2019 3:46

Instrument :

BNA\_G

ClientSampleId :

CONCRETE-6

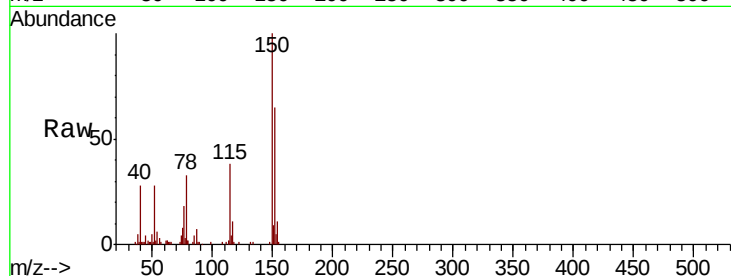
Tgt Ion:152 Resp: 36794

Ion Ratio Lower Upper

152 100

150 154.8 120.6 180.8

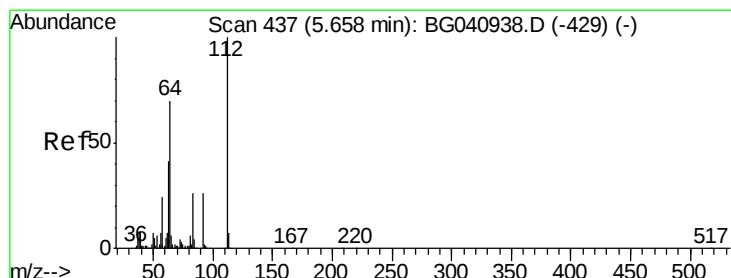
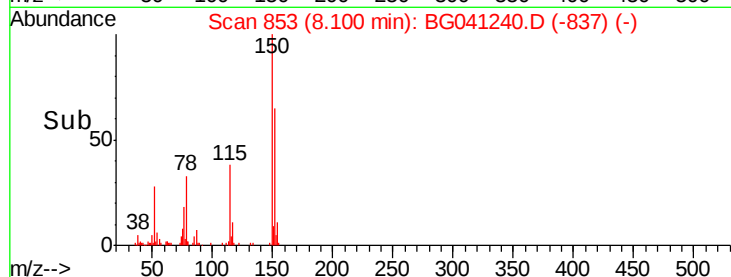
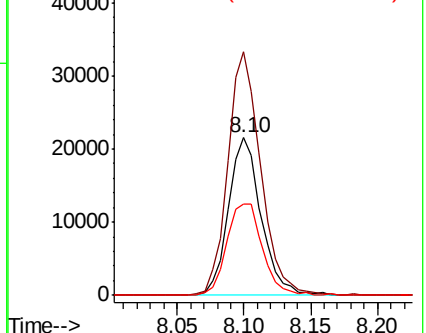
115 58.4 45.1 67.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 50.848 ng

RT: 5.64 min Scan# 434

Delta R.T. 0.00 min

Lab File: BG041240.D

Acq: 14 Jun 2019 3:46

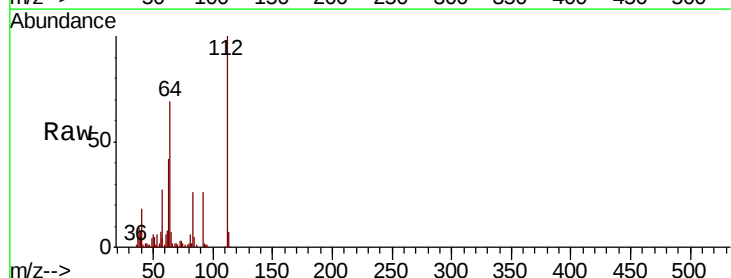
Tgt Ion:112 Resp: 103754

Ion Ratio Lower Upper

112 100

64 69.4 56.2 84.2

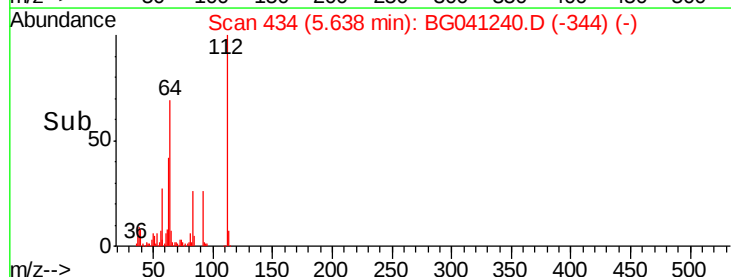
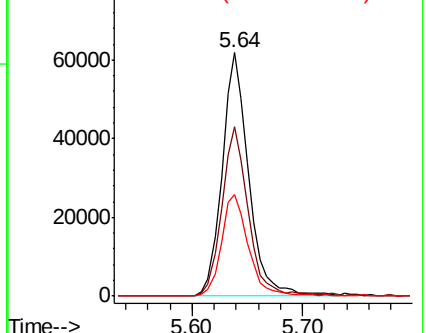
63 41.9 32.8 49.2

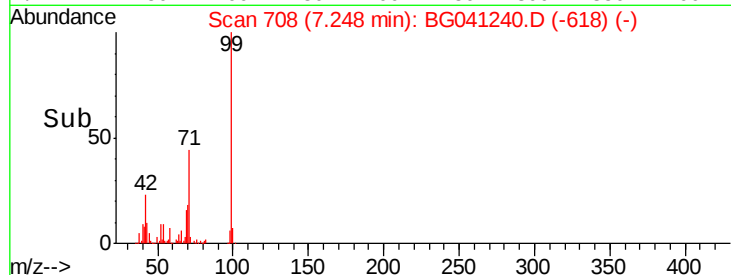
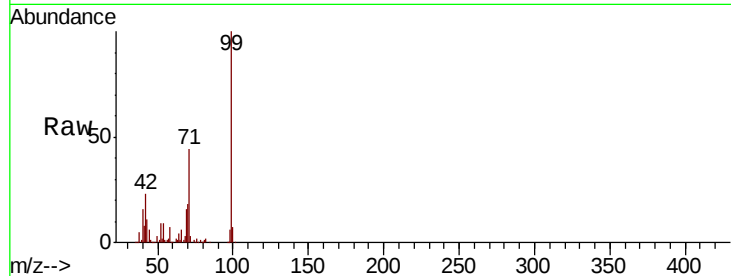


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 76.993 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG041240.D

Acq: 14 Jun 2019 3:46

Instrument :

BNA\_G

ClientSampleId :

CONCRETE-6

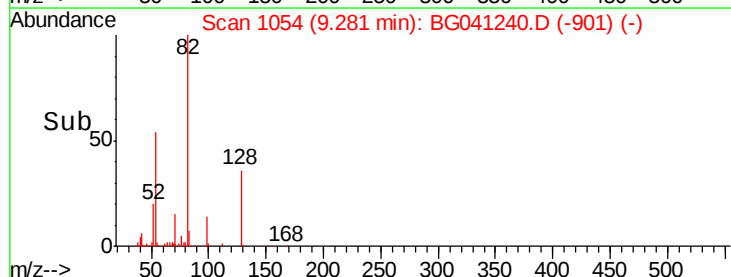
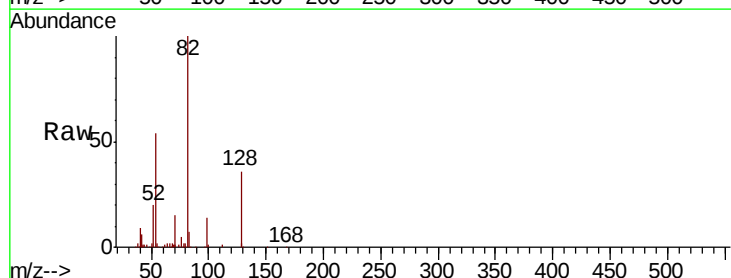
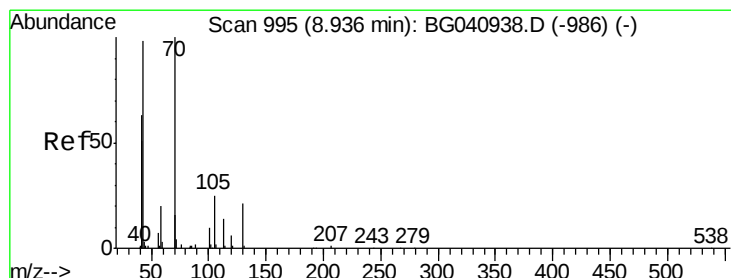
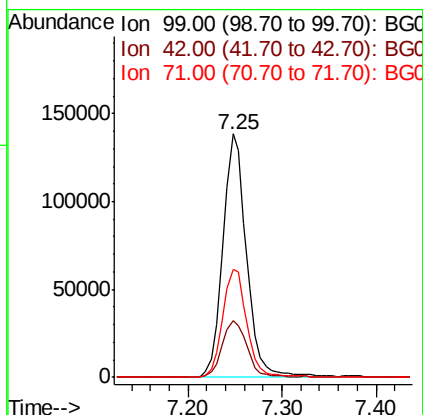
Tgt Ion: 99 Resp: 242626

Ion Ratio Lower Upper

99 100

42 23.3 17.9 26.9

71 44.4 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.378 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.37 min

Lab File: BG041240.D

Acq: 14 Jun 2019 3:46

Tgt Ion: 70 Resp: 32442

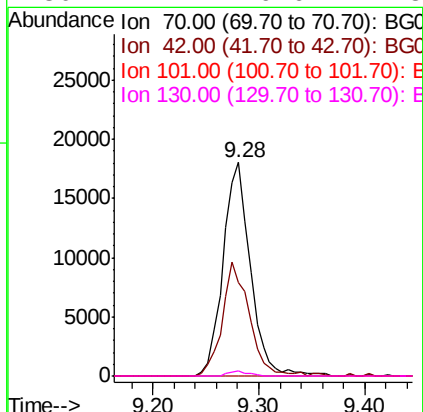
Ion Ratio Lower Upper

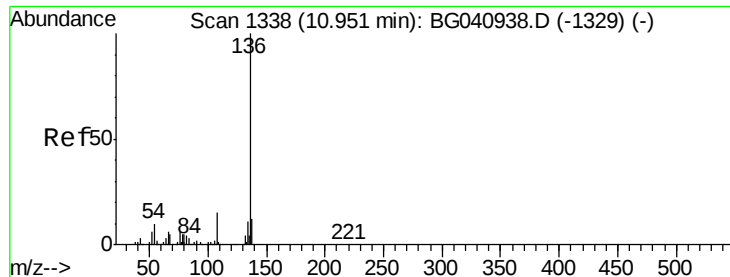
70 100

42 43.6 51.5 77.3#

101 0.0 8.1 12.1#

130 2.2 16.6 24.8#

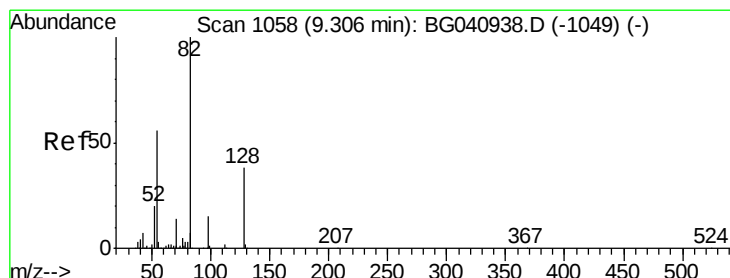
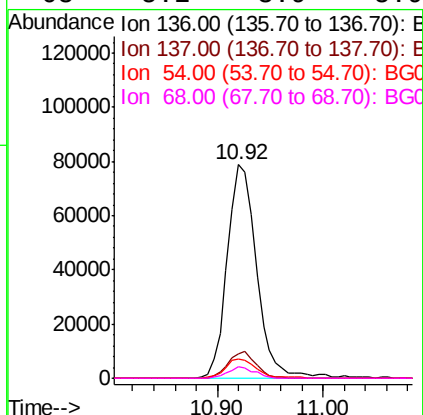
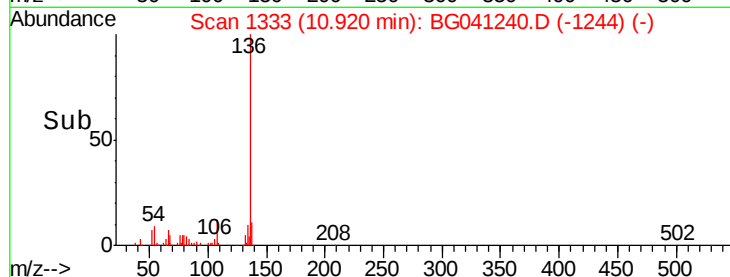
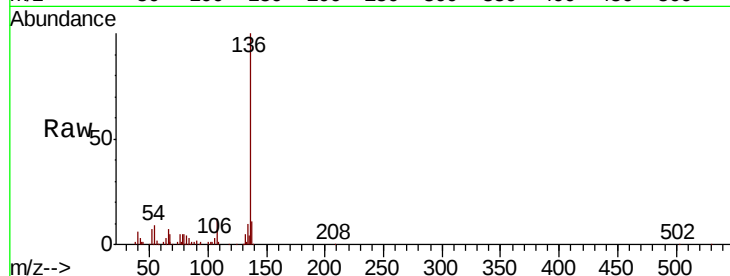




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.92 min Scan# 1333  
Delta R.T. -0.01 min  
Lab File: BG041240.D  
Acq: 14 Jun 2019 3:46

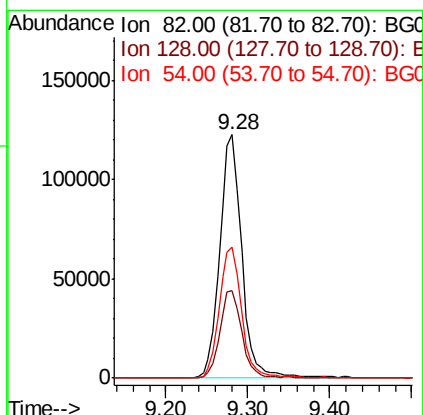
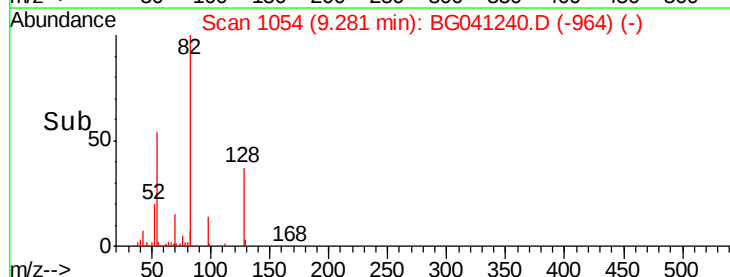
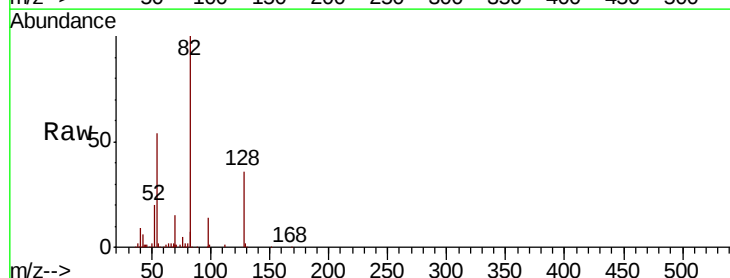
Instrument :  
BNA\_G  
ClientSampleId :  
CONCRETE-6

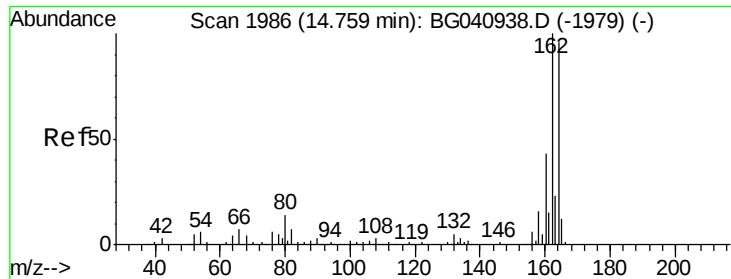
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 151688 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 9.5   | 14.3   |
| 54       | 8.8   | 7.6   | 11.4   |
| 68       | 5.2   | 3.9   | 5.9    |



#23  
Nitrobenzene-d5  
Concen: 67.382 ng  
RT: 9.28 min Scan# 1054  
Delta R.T. 0.00 min  
Lab File: BG041240.D  
Acq: 14 Jun 2019 3:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 230238 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 36.1  | 30.5  | 45.7   |
| 54       | 53.6  | 44.6  | 66.8   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BG041240.D

Acq: 14 Jun 2019 3:46

Instrument :

BNA\_G

ClientSampleId :

CONCRETE-6

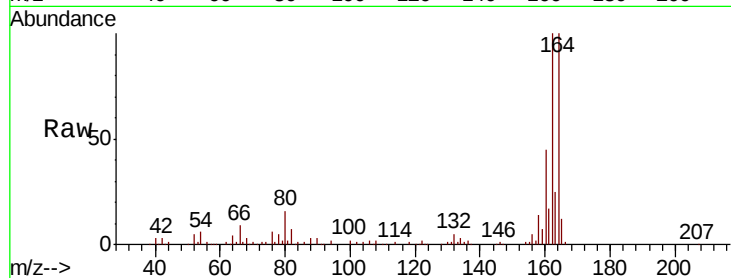
Tgt Ion:164 Resp: 113874

Ion Ratio Lower Upper

164 100

162 99.8 83.0 124.4

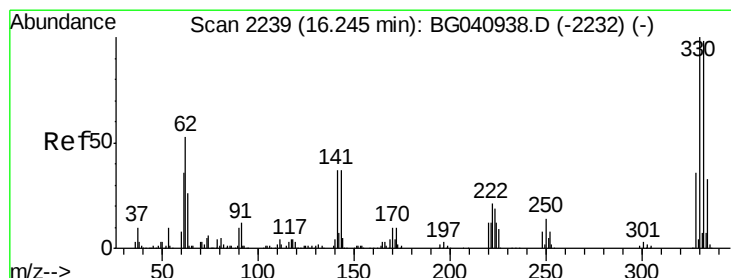
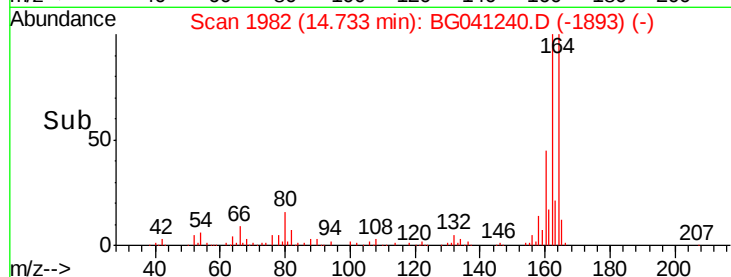
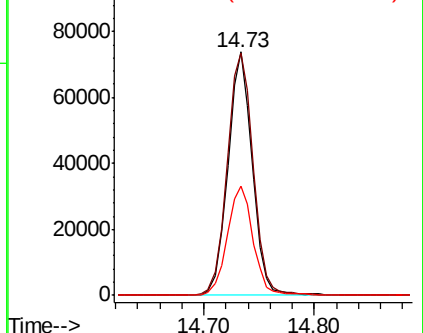
160 45.0 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 22.131 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BG041240.D

Acq: 14 Jun 2019 3:46

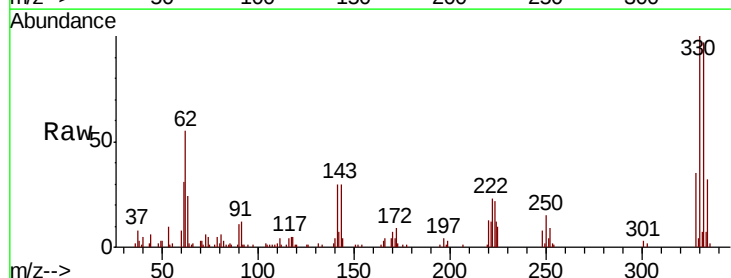
Tgt Ion:330 Resp: 37414

Ion Ratio Lower Upper

330 100

332 100.7 78.5 117.7

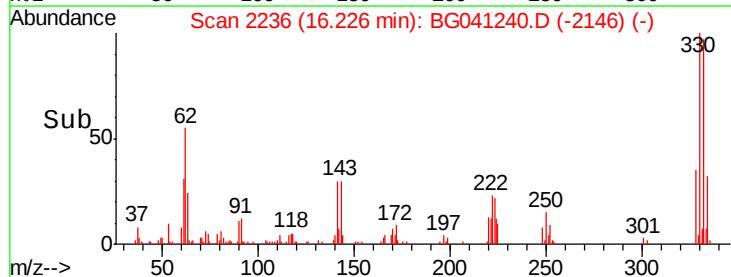
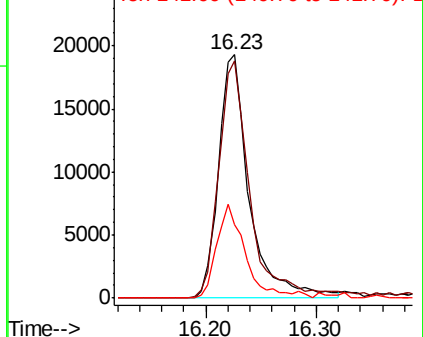
141 36.0 28.7 43.1

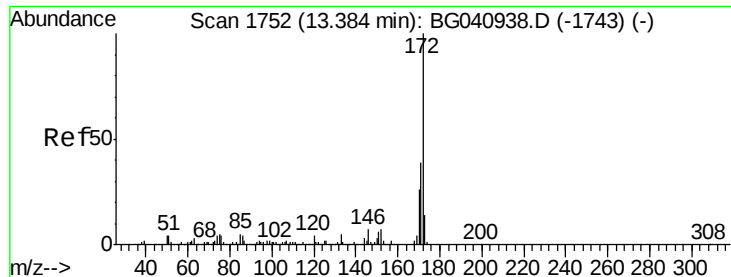


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

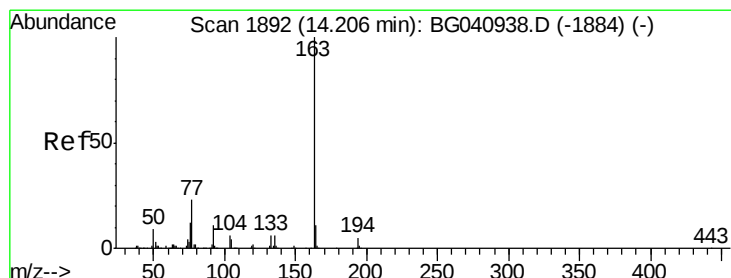
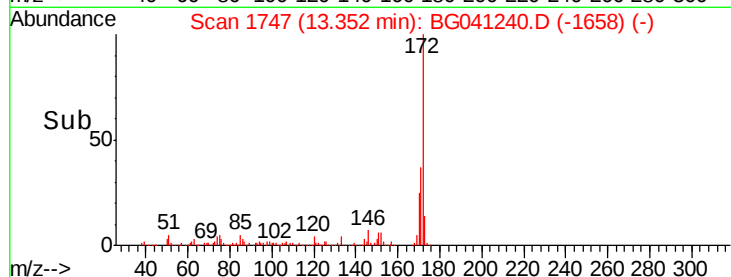
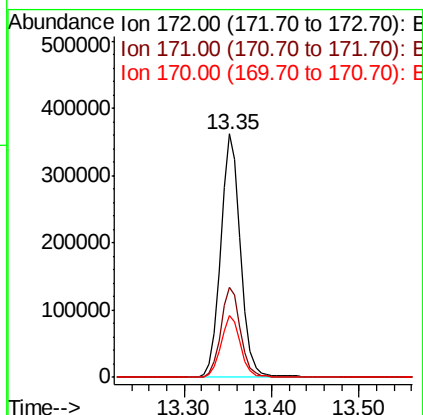
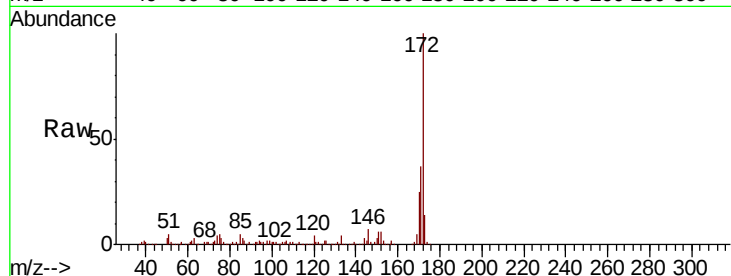




#45  
 2-Fluorobiphenyl  
 Concen: 71.458 ng  
 RT: 13.35 min Scan# 1747  
 Delta R.T. -0.01 min  
 Lab File: BG041240.D  
 Acq: 14 Jun 2019 3:46

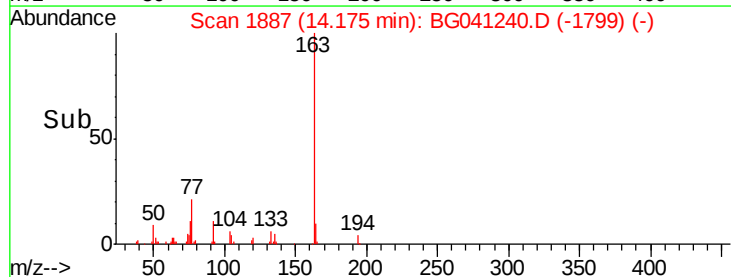
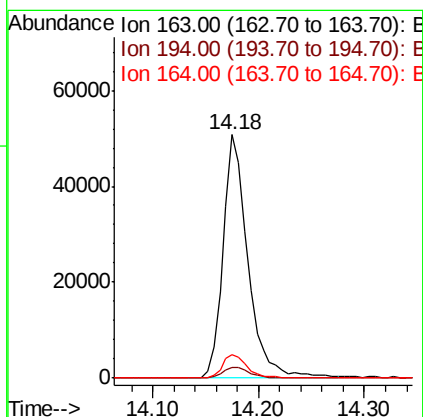
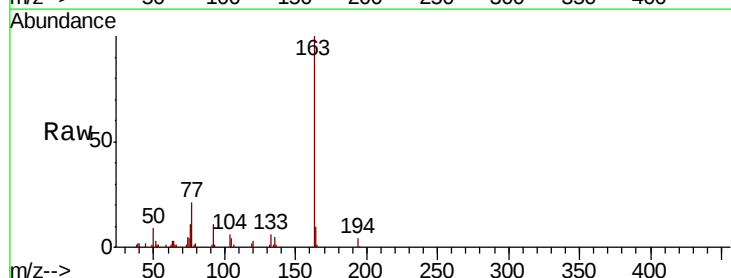
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CONCRETE-6

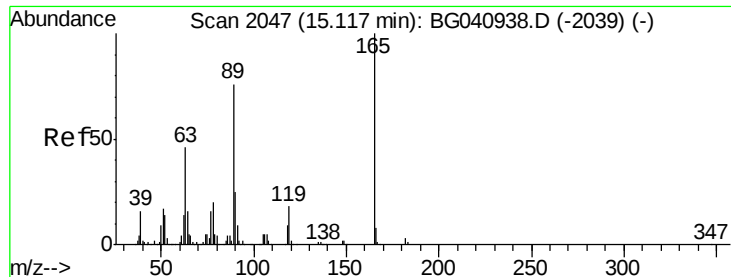
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 31.1  | 46.7  |
| 170     | 25.3  | 20.5  | 30.7  |



#50  
 Dimethylphthalate  
 Concen: 8.610 ng  
 RT: 14.18 min Scan# 1887  
 Delta R.T. -0.01 min  
 Lab File: BG041240.D  
 Acq: 14 Jun 2019 3:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.7   | 3.8   | 5.8   |
| 164     | 9.6   | 8.7   | 13.1  |

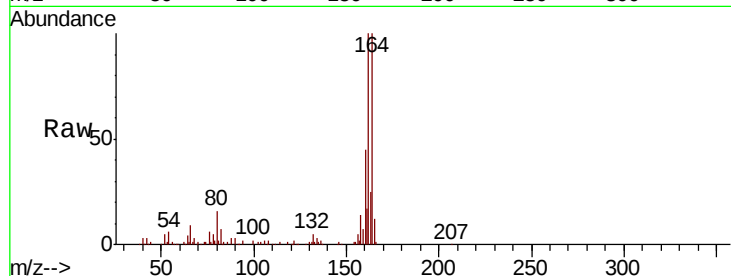




#57  
 2,4-Dinitrotoluene  
 Concen: 4.722 ng  
 RT: 14.73 min Scan# 1982  
 Delta R.T. -0.36 min  
 Lab File: BG041240.D  
 Acq: 14 Jun 2019 3:46

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CONCRETE-6

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.4   | 37.3  | 55.9# |
| 89      | 0.0   | 61.0  | 91.6# |
| 182     | 0.0   | 2.2   | 3.2#  |

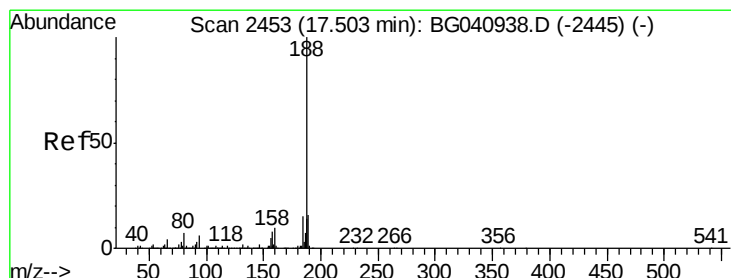
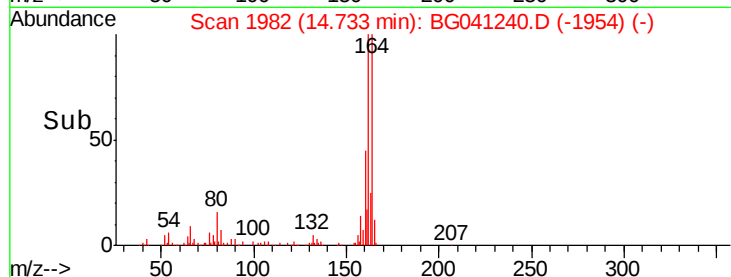
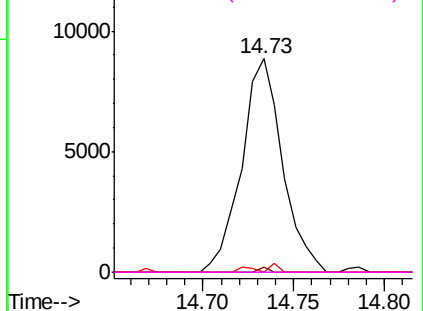


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

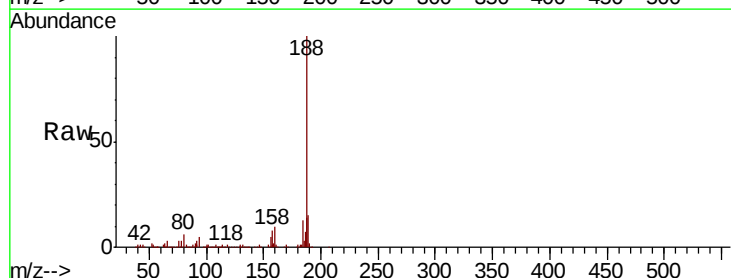
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.48 min Scan# 2449  
 Delta R.T. -0.01 min  
 Lab File: BG041240.D  
 Acq: 14 Jun 2019 3:46

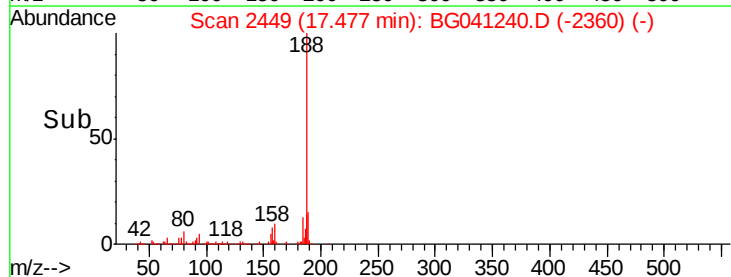
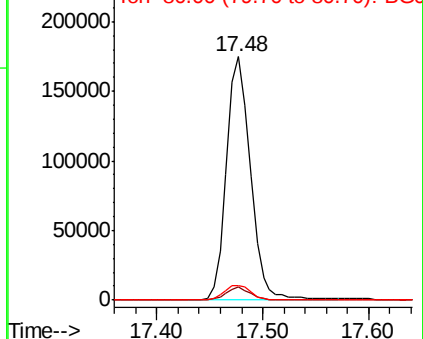
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.4   | 4.7   | 7.1   |
| 80      | 6.2   | 5.8   | 8.8   |

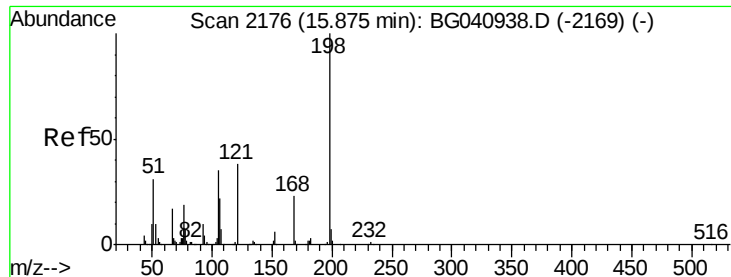


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 8.625 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.36 min

Lab File: BG041240.D

Acq: 14 Jun 2019 3:46

Instrument :

BNA\_G

ClientSampleId :

CONCRETE-6

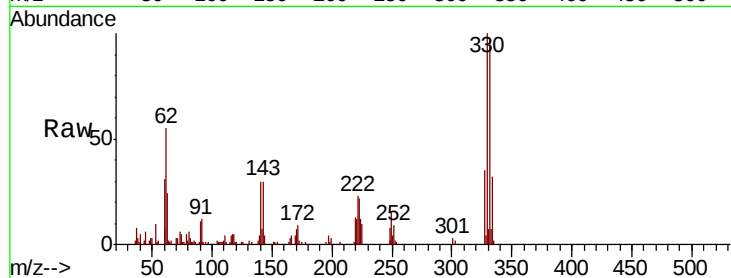
Tgt Ion:198 Resp: 64

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

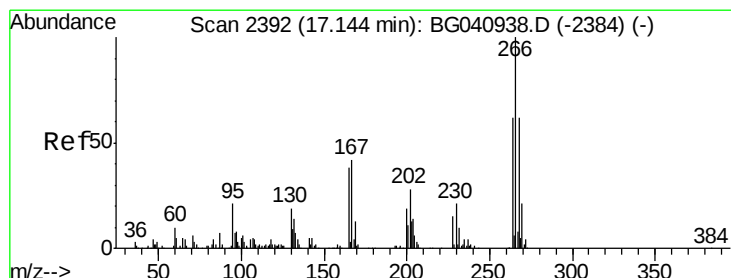
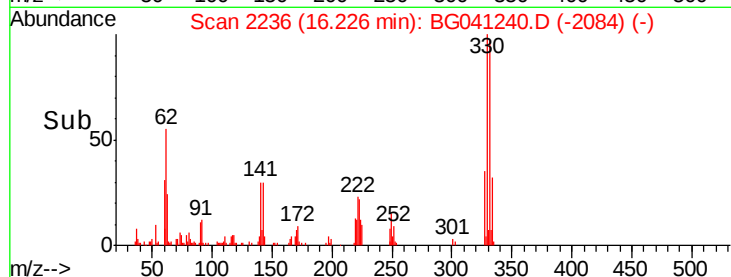
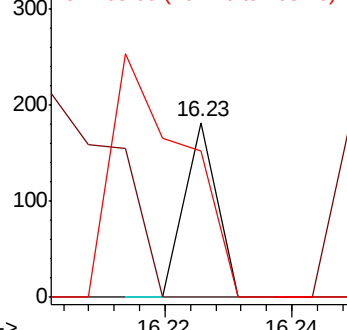
105 21.8 17.5 57.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#70

Pentachlorophenol

Concen: 4.285 ng

RT: 17.35 min Scan# 2427

Delta R.T. 0.22 min

Lab File: BG041240.D

Acq: 14 Jun 2019 3:46

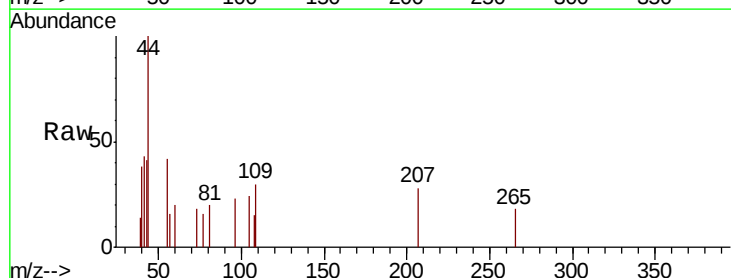
Tgt Ion:266 Resp: 66

Ion Ratio Lower Upper

266 100

268 0.0 53.1 79.7#

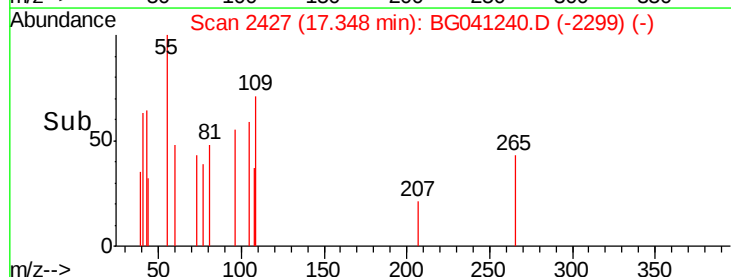
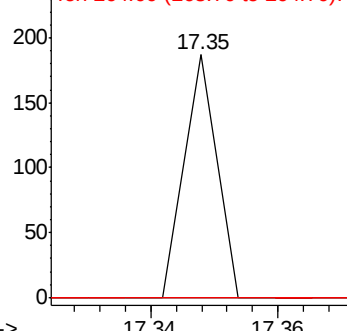
264 0.0 49.9 74.9#

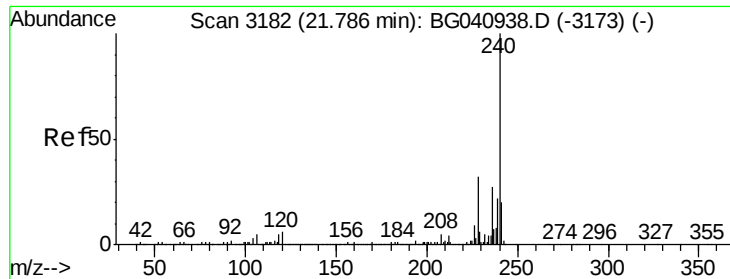


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

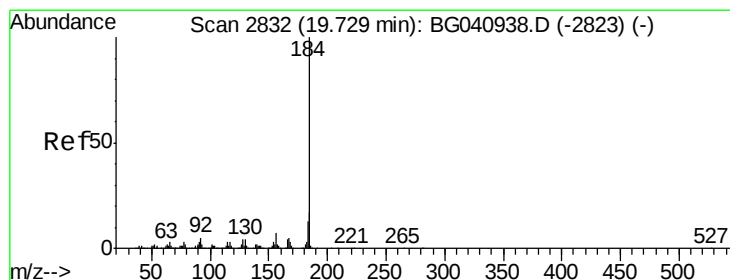
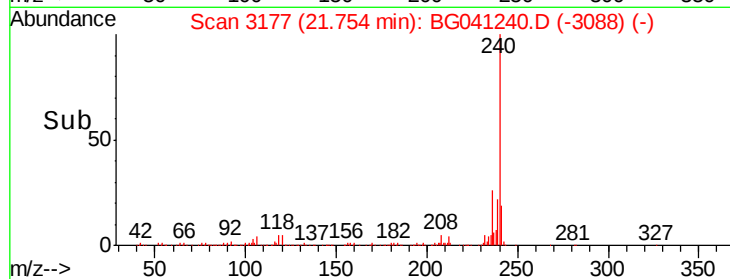
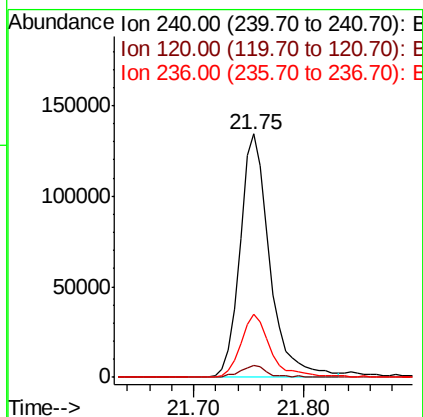
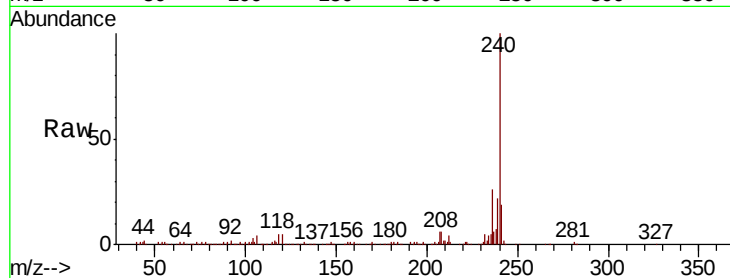




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.75 min Scan# 3177  
Delta R.T. -0.01 min  
Lab File: BG041240.D  
Acq: 14 Jun 2019 3:46

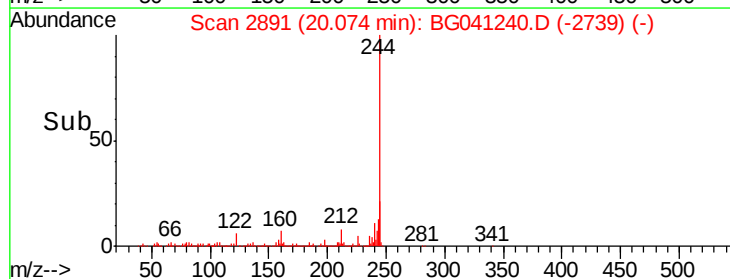
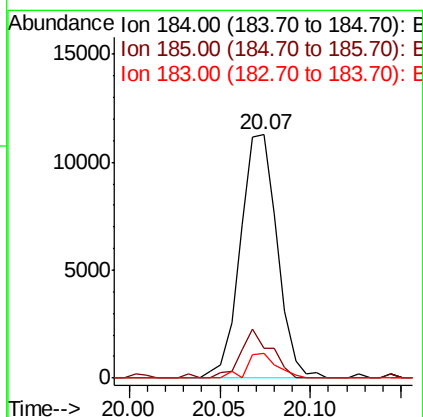
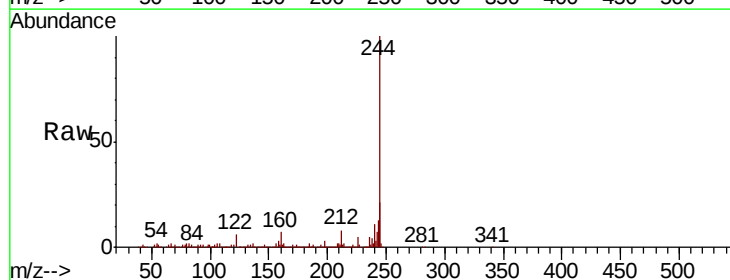
Instrument :  
BNA\_G  
ClientSampleId :  
CONCRETE-6

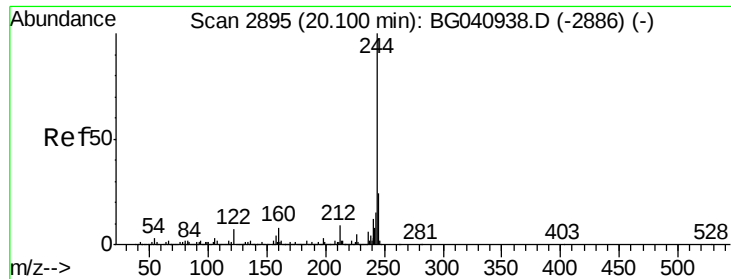
Tgt Ion:240 Resp: 253625  
Ion Ratio Lower Upper  
240 100  
120 4.9 4.5 6.7  
236 26.1 21.3 31.9



#77  
Benzidine  
Concen: 2.627 ng  
RT: 20.07 min Scan# 2891  
Delta R.T. 0.36 min  
Lab File: BG041240.D  
Acq: 14 Jun 2019 3:46

Tgt Ion:184 Resp: 15893  
Ion Ratio Lower Upper  
184 100  
185 12.2 13.3 19.9#  
183 10.0 10.7 16.1#





#79

Terphenyl-d14

Concen: 78.822 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG041240.D

Acq: 14 Jun 2019 3:46

Instrument :

BNA\_G

ClientSampleId :

CONCRETE-6

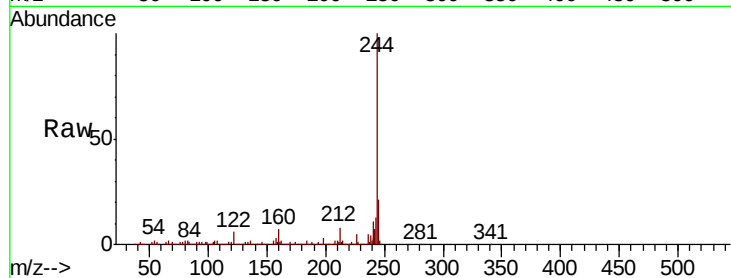
Tgt Ion:244 Resp: 941938

Ion Ratio Lower Upper

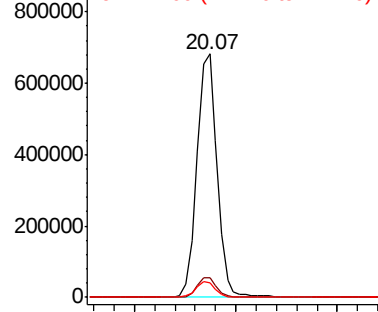
244 100

212 8.0 7.0 10.4

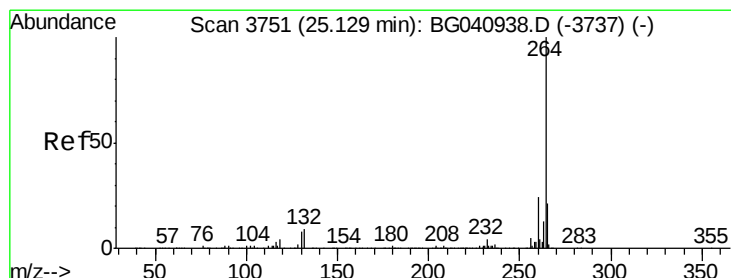
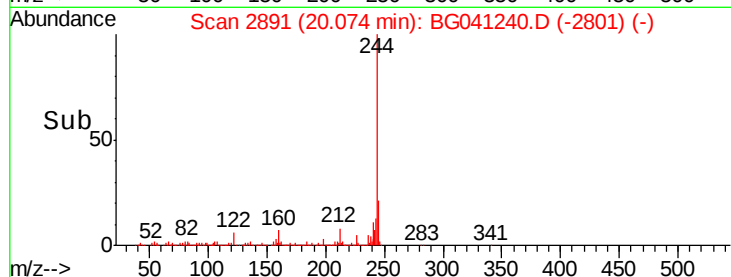
122 5.8 5.4 8.0



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.08 min Scan# 3743

Delta R.T. -0.01 min

Lab File: BG041240.D

Acq: 14 Jun 2019 3:46

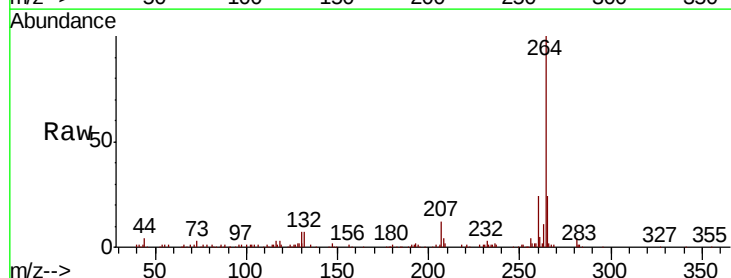
Tgt Ion:264 Resp: 209768

Ion Ratio Lower Upper

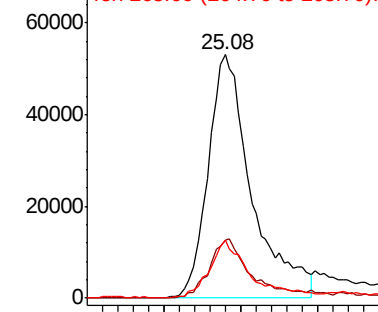
264 100

260 23.7 19.0 28.4

265 23.8 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E



Time-->

